

WESTERN ILLINOIS UNIVERSITY – DEPARTMENT OF BIOLOGICAL SCIENCES

Bachelor of Science in Biology with a **MEDICAL SCIENCES** Option, Minor in **PSYCHOLOGY (For students going to Physical Therapy or Occupational Therapy)**

FRESHMAN YEAR

<u>Fall</u>		<u>Spring</u>	
FYE (Zoology 200* or Botany 200*)	4	Botany 200* or Zoology 200*	4
Chemistry 201*2	4	Chemistry 202*	4
BIOL 170	1	English 180*1	3
Math 133 (or placement)3	3-4	Social Science Elective (PSY 100)	3
Human Well Being or University 100	<u>1-2</u>	Humanities Elective (Fine Art)6	<u>3</u>
	13-15 hr		17 hr

SOPHMORE YEAR

Microbiology 200*	4	Biology 330 (Cell Biology)	4
Physics 124	5	Physics 125	5
Chemistry 330 or 331	5	Social Science Elective (PSY 221, 250, 251)	3
Statistics 171 or PSY 223	<u>3</u>	English 280*1	<u>3</u>
	17 hr		15 hr

JUNIOR YEAR

Zoology 330 OR 430 (See Below)	3-4	Zoology 331 OR 321	3-4
PSYC Upper Division Elective (340, 346)	3	Biology 340 (Genetics)	4
Humanities Elective (or Foreign Language)4	3-4	Humanities Elective (or Foreign Language)4	3-4
Communication 241 (Speech)	3	PSYC Upper Division Elective (PSY 424)	3
Social Science Elective	3	Human Well Being	<u>2-3</u>
	15-17 hr		15-18 hr

Recommended Time for MCAT, DAT, OAT, GRE

SENIOR YEAR

Biology 350 (Ecology)	4	Directed Elective (See Below)	3
Medical Microbiology (See Below)	3	Directed Elective (See Below)	3
Social Science Elective (SOC 100)	3	PSYC Upper Division Elective	3
PSYC Upper Division Elective	3	Multicultural Elective	3
HE 250 (optional)	2	Humanities Elective	3
	15 hr	BIOL 499 - Program Assessment Exam	<u>0</u>
			15 hr

1 – English 180 and 280 may be taken in either Fall or Spring Semester of the 1st (180) or 2nd year (280).

2 – Take Chem 100 before 201 if lacking high school chemistry or lacking a strong math background. Chemistry sequences: see below.

3 – Math placement is determined during orientation. Required classes are listed below. Some students may need to take more math to meet the prerequisites for the required courses. SEE ADVISOR.

4 – The foreign language/global issues graduation requirement may be fulfilled by successfully completing one of the following: 1) an intermediate foreign language requirement; 2) a General Education global issues course; 3) any major's discipline-specific global issues course; or 4) an approved study abroad program. SEE ADVISOR.

5 – Semester hours and/or number of elective courses may vary by minor.

6 – At least one Humanities Elective must be a Fine Art (see catalog)

*-These classes require the student to earn a C or better to pass

Major Required Courses (34-36)

BOT 200 _____(4)
 ZOOL 200 _____(4)
 MICR 200 _____(4)
 BIOL 170 _____(1)
 BIOL 330 _____(4)
 BIOL 340 _____(4)
 BIOL 350 _____(4)
 ZOOL 330 & 331 _____(8)
 ZOOL 321 & 430 _____(6)
 Medical Micro. _____(3)
 (MICR 400, 405, 434, 460, 463, 464, 465)

Major Directed Electives (6)

BIOL/MICR/ZOOL _____(3)
 BIOL/MICR/ZOOL _____(3)
 (BIOL 477, 495; MICR 400, 405, 434, 460, 463, 464, 465; ZOOL 320, 321, 330, 331, 420, 432, 460, 461, 476)

Other required courses

MATH 133 _____(3)
 STAT 171 _____(3)
 CHEM 201 _____(4)
 CHEM 202 _____(4)
 CHEM 330 or 331 _____(5)
 PHYS 124 _____(5)
 PHYS 125 _____(5)
 Foreign Language _____(4), _____(4)
 OR
 2 or more years in high school with a passing grade ("C" average). See Advisor.

Psychology Minor (REQUIRED) (18)

PSY 100 _____(3)
 PSY ELECS _____(15)
 Suggestions: PSY 221, 223, 250, 251, 334, 340, 343, 344, 346, 422, 423, 424, 427, 442, 443, 444, 451, 456,

Suggested Gen. Ed. Coursework

Social Sciences
 SOC 100, 200; PSY 100, 221, 250, 251;
 ANTH 110, 111, 210
Humanities
 COMM 130; PHIL 120, 140; SPAN; FR
Multicultural
 HE 325; NUTR 300; ANTH 110; SOC;
 WS
Human Well Being
 EDS 121; HE 120, 121, 123; NUTR 109